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(71) Applicant (for all designated States except US): **QR SCI-  
ENCES LIMITED** [AU/AU]; 8-10 Hamilton Street, Can-  
nington, Western Australia 6107 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RUDAKOV, Taras,  
Nikolaevitch** [AU/AU]; 8-10 Hamilton Street, Canning-  
ton, Western Australia 6107 (AU). **MIKHALTSEVITCH,  
Vassili, Timofeevitch** [AU/AU]; 8-10 Hamilton Street,  
Cannington, Western Australia 6107 (AU). **CHISHOLM,  
Warrick, Paul** [AU/AU]; 8-10 Hamilton Street, Canning-  
ton, Western Australia 6107 (AU). **FLEXMAN, John,**

**Harold** [AU/AU]; 8-10 Hamilton Street, Cannington,  
Western Australia 6107 (AU). **HAYES, Peter, Alaric**  
[AU/AU]; 8-10 Hamilton Street, Cannington, Western  
Australia 6107 (AU).

(74) Agent: **WRAY & ASSOCIATES**; Level 4, The Quadrant,  
1 William Street, Perth, Western Australia 6000 (AU).

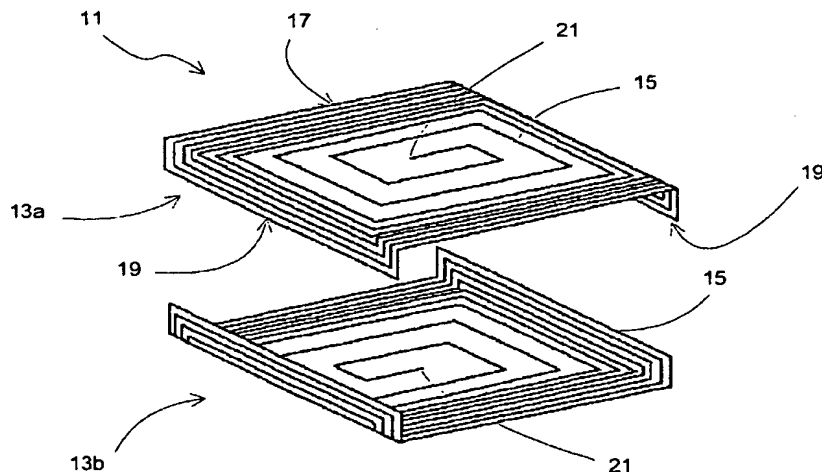
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(54) Title: PROBE COIL FOR DETECTING NQR-RESPONSIVE MATERIALS IN LARGE VOLUMES



(57) Abstract: A coil assembly (11) comprising two coil sections (13a and 13b). Each of the sections (13) consists of a combination of a spiral coil (15) having a variable coil pitch arranged in a saddle shape configuration. The saddle shape has a central portion (17) and a pair of outer coextending portions (19). The coil sections (13) are located opposite each other with the central portions (17) of the respective sections disposed in parallel spaced apart relationship and the corresponding coextending portions (19) of the respective sections disposed in coplanar alignment with each other so that the sections combine to circumscribe a scanned volume within which the target substance is to be disposed.

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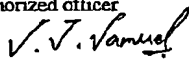


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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International application No.  
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<b>B. FIELDS SEARCHED</b>		
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT; ESP@CE; USPTO: Nuclear quadrupole, coil, probe		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,276,398 A (WITHERS ET AL) 04 January 1994 Column 4, lines 30-54 and figs.1,2,11,17a	1,3,4
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
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Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  SERINEL SAMUEL Telephone No : (02) 6283 2382

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01470

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
US	5276398	EP	0654147
		CA	2137079
		WO	93/24848
		AU	677590
		DE	69331604
END OF ANNEX			